

Building Permit Guides

The City of Louisville Design Criteria, Prescriptive Energy Code, and items listed below shall take precedence over requirements listed in the Building Guides of the Colorado Chapter of International Code Council.

- The City of Louisville has adopted the 2018 International Code series.
- Please reference the city's design criteria and prescriptive energy code available on the City of Louisville website located at www.louisvilleco.gov/government/departments/planning-building-safety/building-permit-guides .
- All decks are required to be designed by a structural engineer and shall include and engineer stamp and signature.

Sec. 15.05.130. - Section R507.1 amended—Decks.

https://library.municode.com/co/louisville/codes/code_of_ordinances

Section R507.1 of the 2018 International Residential Code is amended to read as follows:

R507.1 Decks. *Wood-framed decks shall comply with the standards set forth in this section. For decks using materials and conditions not prescribed in this section, refer to Section R301. All decks that are structurally supported from an existing residential home shall be engineered by a structural engineer that is licensed with the State of Colorado.*

- Flat roof and patio covers may be required to be designed by a registered design professional. Section R802.4.4 of the 2018 International Residential Code read as follows:
R802.4.4 Rafter supports. *Where the roof pitch is less than 3:12 (25-percent slope), structural members that support rafters, such as ridges, hips and valleys, shall be designed as beams, and bearing shall be provided for rafters in accordance with section R802.6*



Building Guide

Colorado Chapter of the International Code Council

Single Family Residential Patio Covers & Carports

How to Use this Guide

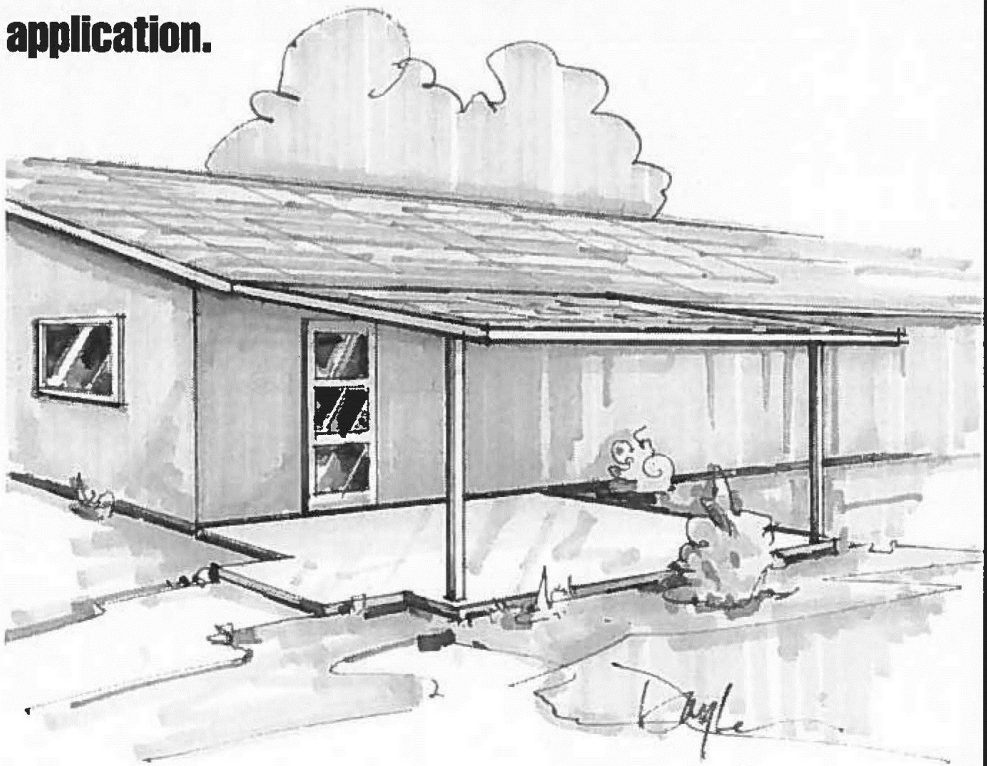
Provide three sets of plans, drawn to scale and complete the following (*hint: use graph paper with 1/4" squares. Example: 1/4" = 1'*): Check with your jurisdiction for additional requirements.

1 Complete this Building Guide by filling in the blanks on page two, and indicating which construction details will be used.

2 Provide 3 Plot Plans (site plan) showing dimensions of your project or addition and its relationship to existing buildings or structures on the property and the distance to existing property lines drawn to scale. See Page 2

3 Fill out a building permit application.

The majority of permit applications are processed with little delay. The submitted documents will help determine if the project is in compliance with building safety codes, zoning ordinances and other applicable laws.



The Colorado Chapter of the International Code Council is a professional organization seeking to promote the public health, safety and welfare to building construction. We appreciate your feedback and suggestions. To obtain a master copy of this building guide, please write to the Colorado Chapter of the International Code Council, P.O. Box 961, Arvada, CO 80001.

<http://www.coloradochaptericc.org>

This handout was developed by the Colorado Chapter of the International Code Council as a basic plan submittal under the 2012 International Residential Code. It is not intended to cover all circumstances. Check with your Department of Building Safety for additional requirements.



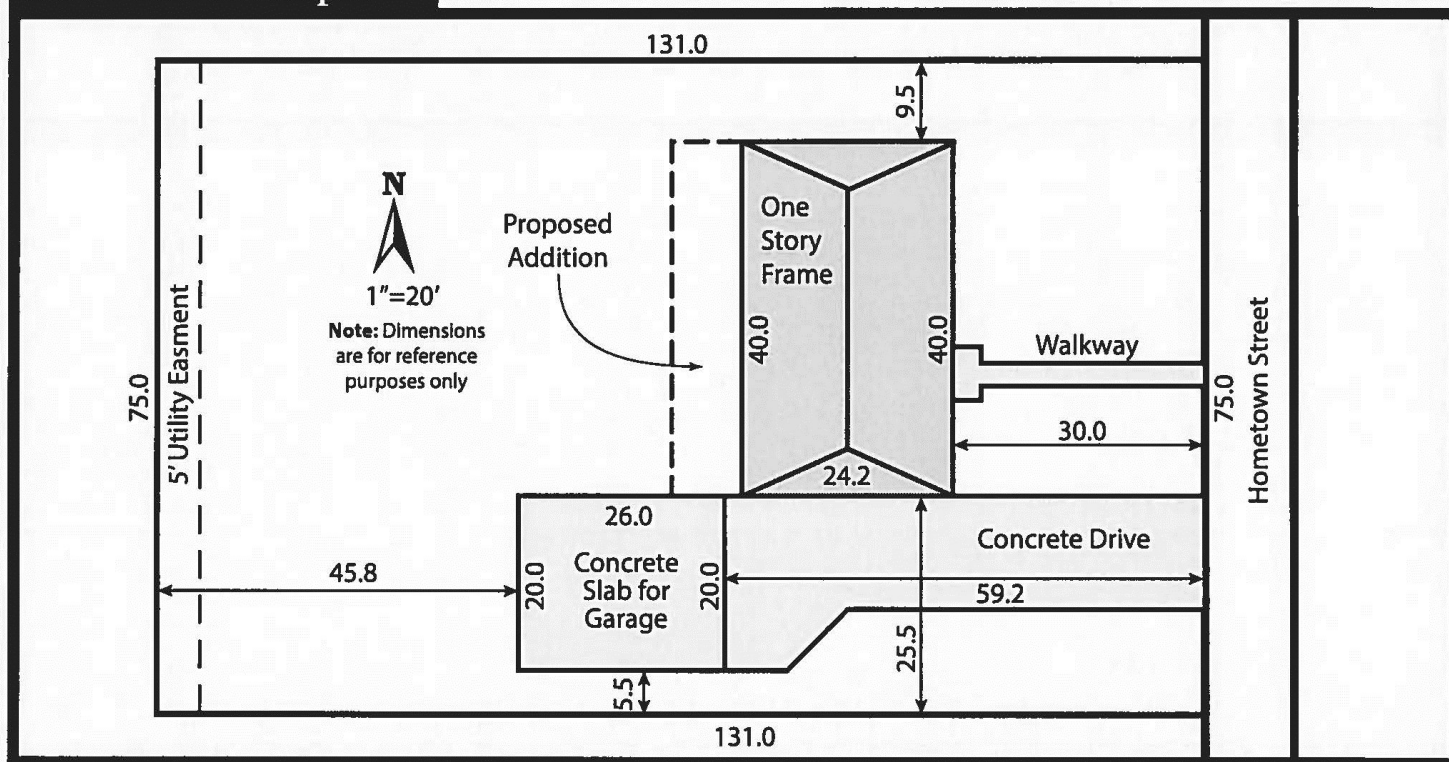
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www.louisvilleco.gov

Building Safety Division
749 Main St.
Louisville, CO 80027
303-335-4592 Phone
303-335-4588 FAX

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Site Plan Example



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Directions

1. Fill in the blanks with dimensions and materials which will be used to build the structure. Please print legibly.
2. Indicate in the check boxes which details from page 4 will be used. Please note if any of the sides of your carport addition are closer than 5'-0" to the property line, that side of the carport must be enclosed with a solid 1 hour fire rated wall as shown in Alternate Details B and C. You must however, keep at least two sides of the carport open to conform to the building code requirements. Zoning approval is required.
3. Roofing to be installed per manufacturer's instructions, including low slope application and required inspections made.

Address: _____

Roof covering _____
(example: Class A 3 tab shingles)

Underlayment _____
(example: 15# felt with 19" laps)

Size and Amount of Lags _____
(example: Two 1/2"x 4 1/2" lags @ 16" O.C.)

Sheathing _____
(example: 1/2" exterior plywood)

12 pitch _____

2x _____ rafters spaced _____" O.C.
(example: 2 x 8 rafters spaced 24" O.C.)

Patio Section

Existing building

Span

Maximum rise 7 3/4" at top of door threshold

Slope

Concrete Slab

Isolate from Slab

Minimum Diameter Pier 8" (size determined by load)

Overhang

Note: Walls, posts, and overhangs closer than 5' to the property line to be 1hr. rated

No closer than 2 feet to property line

Beam splices to occur over posts with 1 1/2" bearing

() "x" beam
(example: (2) 2"x10")

Span _____
(example: 12' 0")

Siding _____
(for Alternate B only)

"x" posts spaced _____ apart
(example: 4"x4" spaced 6')

Footing "x" "
(for Alternate C only)

Check one
☐ Detail A
☐ Alternate A
☐ Other (provide detail) (see page 4)

Check one
☐ Detail B
☐ Alternate B (see page 4)

Check one
☐ Detail C
☐ Alternate C (see page 4)

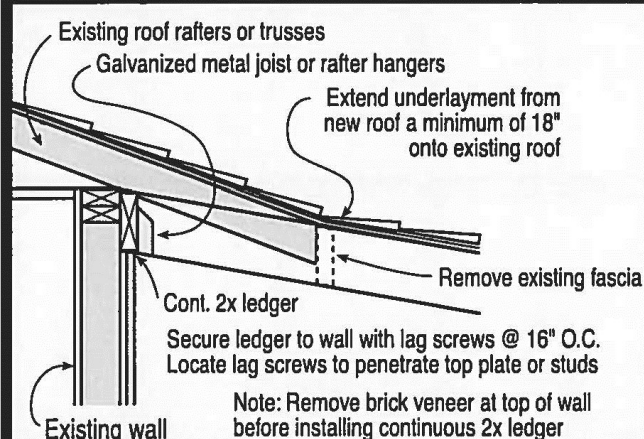
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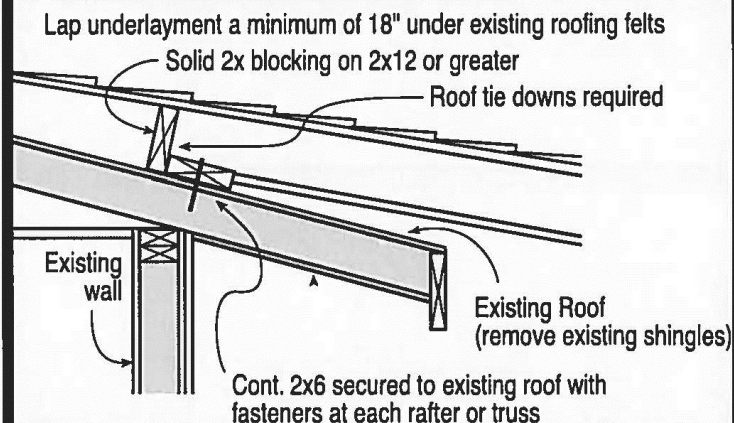
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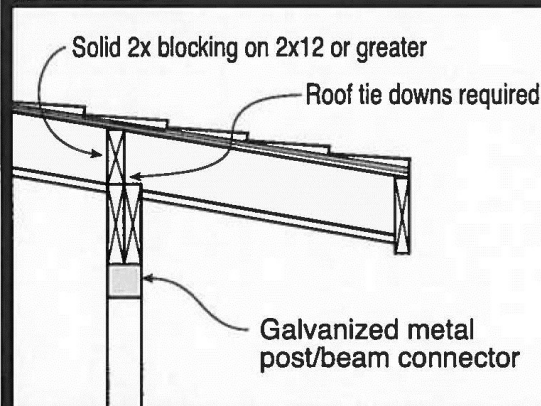
Detail A



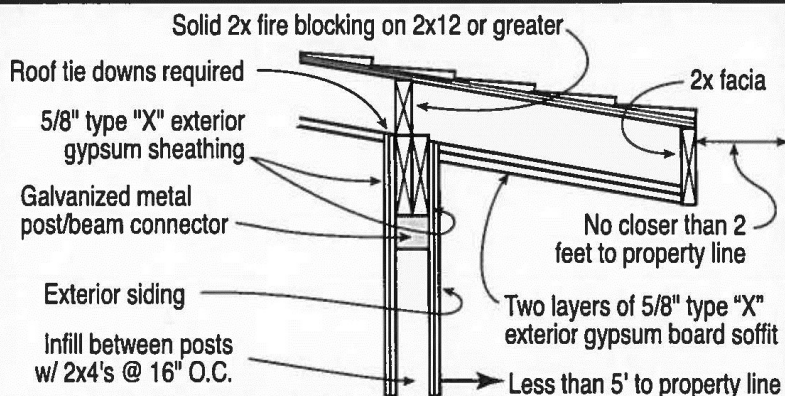
Alternate Detail A



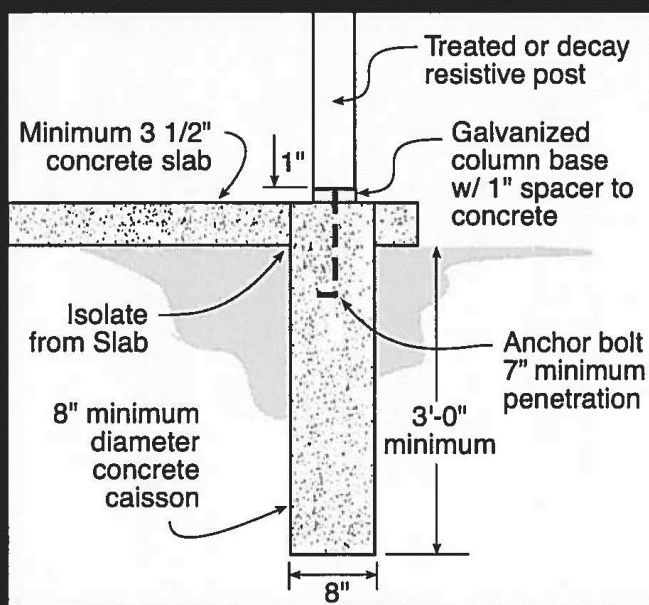
Detail B



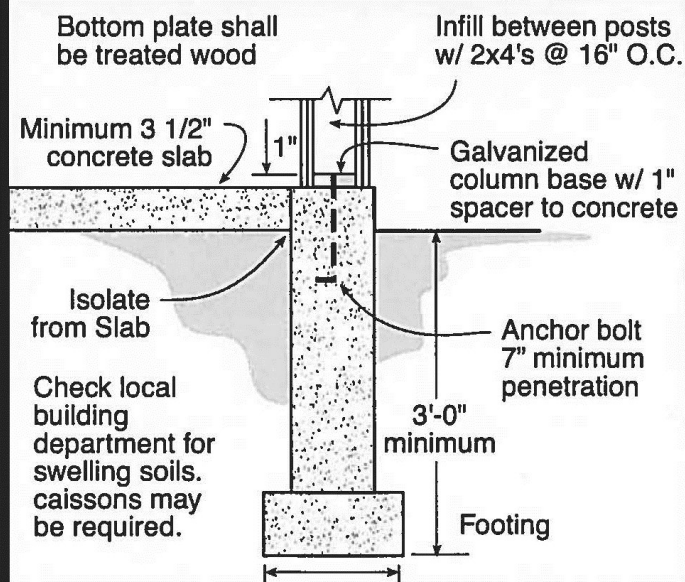
Alternate Detail B - 1 Hour Wall



Detail C



Alternate Detail C - 1 Hour Wall



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